

PLASMET

Corrothane AP1

Product reference: 5/40

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Product title: Corrothane AP1

Valid from: 11th April 1996

Last reviewed: July 2019

Type

A 2-pack, solvent borne, isocyanate-free polyurethane/ acrylic top coat.

Suggested use

As a high performance cosmetic top coat used primarily over the top of other Corrocoat epoxy based coatings to give colour retention and weathering properties. Designed for use on new construction and maintenance work on marine and offshore structural work and in aggressive atmospheric service environments.

Health & safety

Before handling this product the material safety data sheet should be read and all precautions observed.

Surface preparation

Corrothane AP1 is designed as a top coat for other Corrocoat products, predominantly Plasmex ZF. Please refer to the relevant application data sheet for the prime/ build coat for surface preparation details. The build coat should be free from contamination/grease prior to application of the Corrothane AP1.

Application equipment

Airless spray, brush or conventional spray. For airless spray recommended tip size 0.32-0.48mm (13-19 thou). Spray pressure 2,200-2,700 psi.

Application

Typically as a single coat by brush or spray at 50 microns dft per coat (approximately 80 microns wet film thickness).

Mixing ratio

7 : 1 base to activator by volume.

Pot life

2 Hours at 20°C
40 Minutes at 35°C

Thinners

DO NOT THIN. Use of thinners may adversely affect the performance of this product.

Colour availability

Light and mid grey. Other colours available subject to quantity. Price may vary with colour.

Volume solids

65%

Theoretical spreading rate

13m²/litre at 50 microns dft.

(Practical coverage values will depend upon environmental/ application conditions, operator technique and geometry of work. Appropriate loss factors should be taken into account. Corrocoat accept no liability for any differences in actual spreading values obtained.)

Specific gravity

1.54 g/cm³

Dry / cure time

20°C hard dry in 5 hours
35°C hard dry in 4 hours

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Overcoating time

Minimum overcoating times as above hard dry times. Overcoating before these times may result in solvent entrapment. Corrothane AP1 has an indefinite overcoating time with itself, as long as the substrate is decontaminated and abraded on old coatings.

Cleaning solvent

Corrocoat Epoxy Equipment Cleaner.

Revised 07/2019

All values are approximate. Physical data is based on the product being in good condition before polymerisation, correctly catalysed and full cure being attained. Unless otherwise stated, physical data is based on a test temperature of 20°C, test results may vary with temperature. Information regarding application of the product is available in the Corrocoat manual. Should further information be required, please consult Corrocoat Technical Services.

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Reviewed 10/2001 (No changes)
Reviewed 02/2014 (No changes)
Reviewed 05/2016 (No changes)